



Inventor: STÄNDKER et al.  
Serial No.: 09/509,559  
Filing Date: November 27, 2000  
Atty. Dkt. No.: P65315US0  
Recorded: March 8, 2002  
Operating Systems: MS-Windows

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## SEQUENCE LISTING

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SEQUENCE LISTING

(110) Forssmann, Georg

(120) Cadherin derived growth factor and its use

(130) P65315US0

(140) 02/509,559

(141) 2000 11-17

(150) DE 19745064.1

(151) 1997-10-15

(150) DE 19813068.0

(151) 1998-03-15

(160) 14

(170) PatentIn Ver. 2.1

(210) 1

(211) 123

(212) PRT

(213) Homo sapiens

(400) 1

Cys His Pro Gly Phe Asp Ala Glu Ser Tyr Thr Phe Thr Val Pro Arg  
1 5 10 15

Arg His Leu Glu Arg Gly Arg Val Leu Gly Arg Val Asn Phe Cys Thr  
20 25 30

Gly Arg Gln Arg Thr Ala Tyr Phe Ser Leu Asp Thr Arg Phe Lys Val  
35 40 45

Gly Thr Asp Gly Val Ile Thr Val Lys Arg Pro Leu Arg Phe His Asn  
50 55 60

Pro Gln Ile His Phe Leu Val Tyr Ala Trp Asp Ser Thr Tyr Arg Lys  
65 70 75 80

Phe Ser Thr Lys Val Thr Leu Asn Gly His His His Arg Pro Pro Pro  
85 90 95

His Gln Ala Ser Val Ser Gly Ile Gln Ala Glu Leu Leu Thr Phe Pro  
100 105 110

Asn Ser Ser Pro Gly Leu Arg Arg Gln Lys Arg  
115 120

(210) 2

(211) 132

(212) PRT

(213) Homo sapiens

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<210> 2  
 Glu Ala Ser Gly Glu Ile Ala Leu Cys Lys Thr Gly Phe Pro Glu Asp  
 1 5 10 15  
 Val Tyr Ser Ala Val Leu Ser Lys Asp Val His Glu Gly Gln Pro Leu  
 20 25 30  
 Leu Asn Val Phe Ser Asn Cys Asn Gly Lys Arg Lys Val Gln Tyr Glu  
 35 40 45  
 Ser Ser Glu Pro Ala Asp Phe Lys Val Asp Glu Asp Gly Met Val Tyr  
 50 55 60  
 Ala Val Arg Ser Phe Pro Leu Ser Ser Glu His Ala Lys Phe Leu Ile  
 65 70 75 80  
 Tyr Ala Gln Asp Lys Glu Thr Gln Glu Lys Trp Gln Lys Leu Ser Leu  
 85 90 95  
 Lys Pro Thr Leu Thr Glu Glu Ser Val Lys Glu Ser Ala Glu Val Glu  
 100 105 110  
 Glu Ile Val Phe Pro Arg Gln Phe Ser Lys His Ser Gly His Leu Gln  
 115 120 125  
 Arg Gln Lys Arg  
 130

<210> 3  
 <211> 78  
 <212> PRT  
 <213> Homo sapiens

<400> 3  
 Cys Arg Ala Val Phe Arg Glu Ala Glu Val Thr Leu Glu Ala Gly Gly  
 1 5 10 15  
 Ala Glu Gln Glu Pro Gly Gln Ala Leu Gly Lys Val Phe Met Gly Gln  
 20 25 30  
 Glu Pro Ala Leu Phe Ser Thr Asp Asn Asp Asp Phe Thr Val Arg Asn  
 35 40 45  
 Gly Glu Thr Val Gln Glu Arg Arg Ser Leu Lys Glu Arg Asn Pro Leu  
 50 55 60  
 Lys Ile Phe Pro Ser Lys Arg Ile Leu Arg Arg His Lys Arg  
 65 70 75

<210> 4  
 <211> 144  
 <212> PRT  
 <213> Homo sapiens

<400> 4

His Asn Glu Asp Leu Thr Thr Arg Glu Thr Cys Lys Ala Gly Phe Ser  
 1 5 10 15  
 Glu Asp Asp Tyr Thr Ala Leu Ile Ser Gln Asn Ile Leu Glu Gly Glu  
 20 25 30  
 Lys Leu Leu Gln Val Lys Ser Ser Cys Val Gly Thr Lys Gly Thr Gln  
 35 40 45  
 Tyr Glu Thr Asn Ser Met Asp Phe Lys Gly Ala Asp Gly Thr Val Phe  
 50 55 60  
 Ala Thr Arg Glu Leu Gln Val Pro Ser Glu Gln Val Ala Phe Thr Val  
 65 70 75 80  
 Thr Ala Trp Asp Ser Gln Thr Ala Glu Lys Trp Asp Ala Val Leu Val  
 85 90 95  
 Ala Gln Thr Ser Ser Pro His Ser Gly His Lys Pro Gln Lys Gly Lys  
 100 105 110  
 Lys Val Val Ala Leu Asp Pro Ser Pro Pro Pro Lys Asp Thr Leu Leu  
 115 120 125  
 Pro Trp Pro Gln His Gln Asn Ala Asn Gly Leu Arg Arg Arg Lys Arg  
 130 135 140

<210> 5  
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 <212> PRT  
 <213> Homo sapiens

<400> 5  
 Ala Gly Ala Asn Pro Ala Gln Arg Asp Thr His Ser Leu Leu Pro Thr  
 1 5 10 15

His Arg Arg Gln Lys Arg  
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<210> 6  
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 <212> PRT  
 <213> Homo sapiens

<400> 6  
 Thr Leu Ser Thr Pro Leu Ser Lys Arg Thr Ser Gly Phe Pro Ala Lys  
 1 5 10 15

Lys Ala Ala Leu Glu Leu Ser Gly Asn Ser Lys Asn Glu Leu Asn Arg  
 20 25 30

Ser Lys Arg

35

<211> 7  
 <211> 33  
 <212> PRT  
 <213> Homo sapiens

<400> 7  
 Thr Leu Ser Thr Pro Leu Ser Lys Arg Thr Ser Gly Phe Pro Ala Lys  
 1 5 10 15

Lys Arg Ala Leu Glu Leu Ser Gly Asn Ser Lys Asn Glu Leu Asn Arg  
 20 25 30

Ser

<210> 8  
 <211> 54  
 <212> PRT  
 <213> Homo sapiens

<400> 8  
 Met Leu Leu Asp Leu Trp Thr Pro Leu Ile Ile Leu Trp Ile Thr Leu  
 1 5 10 15

Pro Pro Cys Ile Tyr Met Ala Pro Met Asn Gln Ser Gln Val Leu Met  
 20 25 30

Ser Gly Ser Pro Leu Glu Leu Asn Ser Leu Gly Glu Glu Gln Arg Ile  
 35 40 45

Leu Asn Arg Ser Lys Arg  
 50

<210> 9  
 <211> 31  
 <212> PRT  
 <213> Homo sapiens

<400> 9  
 Phe Ala Pro Gln Arg Arg Gly His Leu Arg Pro Ser Phe His Gly His  
 1 5 10 15

His Glu Lys Gly Lys Glu Gly Gln Val Leu Gln Arg Ser Lys Arg  
 20 25 30

<210> 11  
 <211> 28  
 <212> PRT  
 <213> Homo sapiens

<400> 11

Glu Arg Arg Gly His Leu Arg Pro Ser Phe His Gly His His Glu Lys  
1 5 10 15

Gly Lys Glu Gly Gln Val Leu Gln Arg Ser  
20 25

<210> 11

<211> 31

<212> PPT

<213> Homo sapiens

<400> 11

Gln Pro Gln Pro Gln Gln Thr Leu Ala Thr Glu Pro Arg Glu Asn Val  
1 5 10 15

Ile His Leu Pro Gly Gln Arg Ser His Phe Gln Arg Val Lys Arg  
20 25 30

<210> 12

<211> 29

<212> PRT

<213> Homo sapiens

<400> 12

Gln Pro Gln Pro Gln Gln Thr Leu Ala Thr Glu Pro Arg Glu Asn Val  
1 5 10 15

Ile His Leu Pro Gly Gln Arg Ser His Phe Gln Arg Val  
20 25

<210> 13

<211> 129

<212> PRT

<213> Homo sapiens

<400> 13

Glu Asp Leu Asp Cys Thr Pro Gly Phe Gln Gln Lys Val Phe His Ile  
1 5 10 15

Asn Gln Pro Ala Glu Phe Ile Glu Asp Gln Ser Ile Leu Asn Leu Thr  
20 25 30

Phe Ser Asp Cys Lys Gly Asn Asp Lys Leu Arg Tyr Glu Val Ser Ser  
35 40 45

Pro Tyr Phe Lys Val Asn Ser Asp Gly Gly Leu Val Ala Leu Arg Asn  
50 55 60

Ile Thr Ala Val Gly Lys Thr Leu Phe Val His Ala Arg Thr Pro His  
65 70 75 80

Ala Glu Pro Asp Met Ala Glu Leu Val Ile Val Gly Gly Lys Asp Ile  
85 90 95

Ser Leu Gln Asp Ile Phe Lys Phe Ala Arg Thr Ser Pro Val Pro Arg  
 100 105 110

Gln Lys Arg Pro Ser Val Leu Leu Leu Ser Leu Phe Ser Leu Ala Cys  
 115 120 125

Leu

<210> 14

<211> 39

<212> PRT

<213> Homo sapiens

<400> 14

Val Pro Gly Trp Arg Arg Pro Thr Thr Leu Tyr Pro Trp Arg Arg Ala  
 1 5 10 15

Pro Ala Leu Ser Arg Val Arg Arg Ala Trp Val Ile Pro Pro Ile Ser  
 20 25 30

Val Ser Glu Asn His Lys Arg  
 35